Certificate of Analysis

Number: 6030-24100334-001A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Kevin Garrett
Caza Operating
200 N. Loraine St Ste 1550
Midland, TX 79701

Station Name:	Sioux 25-36 CTB Production	Report Date:	10/14/2024
Station Number:	55680065	Sampled By:	Raul Salazar
Station Location:	Caza Operating	Sample Of:	Gas Spot
Sample Point:	Meter Run	Sample Date:	10/09/2024 14:48
Method:	GPA-2261M	Sample Conditions:	106 psig, @ 113.5 °F Ambient: 89 °F
Cylinder No:	5030-02801	Received Date:	10/10/2024
Instrument:	70104251 (Inficon GC-MicroFusion)	Login Date:	10/10/2024
Last Inst. Cal.:	10/07/2024 0:00 AM	Effective Date:	10/09/2024 14:48
Analyzed:	10/11/2024 12:11:25 by CDW	Flow Rate:	

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia
Hydrogen Sulfide	0.0000	2.1000	2.9101	
Nitrogen	1.3905	1.3534	1.5416	
Carbon Dioxide	6.4163	6.2452	11.1756	
Methane	69.8882	68.0242	44.3722	
Ethane	10.7085	10.4229	12.7434	2.793
Propane	5.8684	5.7119	10.2412	1.577
Iso-Butane	1.0640	1.0356	2.4474	0.340
n-Butane	2.5180	2.4508	5.7920	0.774
Iso-Pentane	0.8473	0.8247	2.4194	0.302
n-Pentane	0.7748	0.7541	2.2123	0.274
Hexanes	0.6147	0.5983	2.0964	0.247
Heptanes	0.3306	0.3218	1.3111	0.149
Octanes	0.1477	0.1438	0.6679	0.074
Nonanes Plus	0.0137	0.0133	0.0694	0.007
	100.5827	100.0000	100.0000	6.537

Calculated Physical Properties	Total	C9+
Calculated Molecular Weight	24.59	128.26
Compressibility Factor	0.9954	
Relative Density Real Gas	0.8527	4.4283
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F		
Real Gas Dry BTU	1267.3	6996.3
Water Sat. Gas Base BTU	1245.5	6874.3
Ideal, Gross HV - Dry at 14.696 psia	1261.5	6964.4
Ideal, Gross HV - Wet	1239.3	6839.8

Comments: H2S Field Content: 2.1 %

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

Caza Flared Gas Calculation
Sioux 25-36 CTB
Facility ID# fAPP2429234382

input

calculated

Date	5/20/2024
Reported Flared metered Volume (mcf)	616
Last 7 Day Avg metered Gas Production (mcf)	5438.07
% of gas flared vs Produced (% mcf) & (% hrs)	11.3%
Avg Gas prodcution per hour for 24 hrs (mcf)	226.59
number of hours flare was active (hours)	2.72

Please be advised this C-129/C-129A is replacement for previous Incident# nAPP2414236865, incorrectly submitted with “Well API#”.

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

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 404433
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 404433

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 404433
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2429234382] Sioux 25 Production Facility**
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.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
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.**
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	Gas Plant
Additional details for Equipment Involved. Please specify	Pipeline

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	68
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	2
Carbon Dioxide (C02) percentage, if greater than one percent	6
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 (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 404433
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/20/2024
Time vent or flare was discovered or commenced	01:00 PM
Time vent or flare was terminated	03:42 PM
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 | Gas Plant | Natural Gas Flared | Released: 616 Mcf | Recovered: 0 Mcf | Lost: 616 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	[24650] TARGA MIDSTREAM SERVICES LLC
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	Downstream operator had gas plant shut-in.
Steps taken to limit the duration and magnitude of vent or flare	Upon determination of flare event by on-site personnel, production was shut-in.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Production shut-in. This flare event was beyond control of the operator.

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ACKNOWLEDGMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 404433
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	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.
☑	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.
☑	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.
☑	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

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 404433
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
tberry	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.	11/18/2024