


LABORATORY SERVICES
 Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: American Valve & Meter
 Attention: Jerry Martin
 P. O. Box 166
 Hobbs, New Mexico 88241

Sample: Sta#
 Identification: Forehand 22 #8
 Company: Caza Operating
 Lease:
 Plant:

Sample Data: Sample Date: 1/17/2018
 Analysis Date: 1/19/2018
 Sample Temp: 60 F
 Sample Press.: 200 PSIA

Sampled by: Carl George
 Analysis by: V. McDaniel
 Atmos Temp: 39 F
 Sample Time: 3:15 PM

H2S = 2 PPM

Press. Base: 14.73

Component Analysis

		Mol Percent	GPM Real	GPM Ideal
Hydrogen Sulfide	H2S			
Nitrogen	N2	0.924		
Methane	C1	71.270		
Carbon Dioxide	CO2	0.119		
Ethane	C2	12.964	3.466	3.458
Propane	C3	7.173	1.976	1.971
I-Butane	IC4	1.083	0.354	0.353
N-Butane	NC4	2.753	0.868	0.866
I-Pentane	IC5	0.820	0.297	0.299
N-Pentane	NC5	0.999	0.433	0.361
Hexanes Plus	C6+	<u>1.895</u>	<u>0.822</u>	<u>0.820</u>
		100.000	8.216	8.128

REAL BTU/CU.FT.

At 14.65 1425.3 Dry
 1401.9 Wet

At 14.696 1429.8 Dry
 1406.3 Wet

At 14.73 1433.1 Dry
 1409.6 Wet

Specific Gravity:

Calculated (Real) 0.837
 (Ideal) 0.833

Remarks:

Caza Flared Gas Calculation

FHR 22 8/9

input

calculated

Date	6/8/2022
Reported Flared metered Volume (mcf)	650
Last 7 Day Avg metered Gas Production (mcf)	838
% of gas flared vs Produced (% mcf) & (% hrs)	77.6%
Avg Gas production per hour for 24 hrs (mcf)	34.92
number of hours flare was active (hours)	18.62

source

pumpers text

pumpers text

prodman ctb report

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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 115568

DEFINITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 115568
	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 115568

QUESTIONS

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	Action Number: 115568
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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 Operator	[249099] CAZA OPERATING, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	[30-015-43555] FOREHAND RANCH 22 STATE #008H
Incident Facility	Not answered.
<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

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, 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 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	71
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 115568

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/08/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:30 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 650 Mcf Recovered: 0 Mcf Lost: 650 Mcf
Other Released Details	Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0
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	[147831] Lucid Artesia Company
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	Downstream operator had compressor issues along with high gas sales line pressure. The flaring was outside the control of operator.
Steps taken to limit the duration and magnitude of vent or flare	Minimal mcf over duration
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Downstream operator was the cause of this flaring. There was no option on the operator's part, but to flare.

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ACKNOWLEDGMENTS

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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

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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.	6/9/2022