



Certificate of Analysis

Number: 6030-22050003-009A

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

May 03, 2022

Station Name: Lennox 32 st 9H

Station Number: 5568009

Station Location: Caza Operating

Sample Point: Meter run

Instrument: 6030_GC6 (Inficon GC-3000 Micro)

Last Inst. Cal.: 05/02/2022 0:00 AM

Analyzed: 05/03/2022 11:07:31 by ERG

Sampled By: CM

Sample Of: Gas Spot

Sample Date: 04/29/2022 10:23

Sample Conditions: 181 psig, @ 88 °F Ambient: 80 °F

Effective Date: 04/29/2022 10:23

Method: GPA-2261M

Cylinder No: 1111-005562

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.70000	1.034		GPM TOTAL C2+ 4.746
Nitrogen	2.455	2.46602	2.994		GPM TOTAL C3+ 2.267
Methane	70.875	71.18781	49.487		GPM TOTAL iC5+ 0.500
Carbon Dioxide	8.959	8.99879	17.161		
Ethane	9.221	9.26135	12.068	2.479	
Propane	4.251	4.26924	8.158	1.177	
Iso-butane	0.514	0.51617	1.300	0.169	
n-Butane	1.328	1.33426	3.361	0.421	
Iso-pentane	0.370	0.37183	1.163	0.136	
n-Pentane	0.369	0.37103	1.160	0.135	
Hexanes Plus	0.521	0.52350	2.114	0.229	
	98.863	100.00000	100.000	4.746	

Calculated Physical Properties

Relative Density Real Gas

Total

0.7994

C6+

3.2176

Calculated Molecular Weight

23.08

93.19

Compressibility Factor

0.9964

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU

1116

5129

Water Sat. Gas Base BTU

1097

5040

Ideal, Gross HV - Dry at 14.696 psia

1111.7

5129.2

Ideal, Gross HV - Wet

1092.2

5039.7

Comments: H2S Field Content 0.7 %
Mcf/day 101.1

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Caza Flared Gas Calculation
Lennox 32 9H/10H

input
calculated

Date	2/8/2024
Reported Flared metered Volume (mcf)	89
Last 7 Day Avg metered Gas Production (mcf)	378.71
% of gas flared vs Produced (% mcf) & (% hrs)	23.5%
Avg Gas prodcuton per hour for 24 hrs (mcf)	15.78
number of hours flare was active (hours)	5.64

source
pumpers text
pumpers text
prodman ctb report

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DISTRICT III
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DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45307	Pool Code 24250	Pool Name FEATHER STONE; BONE SPRING
Property Code 39019	Property Name LENNOX 32 STATE	Well Number 9H
OGRID No. 249099	Operator Name CAZA OPERATING, LLC	Elevation 3539'

Surface Location

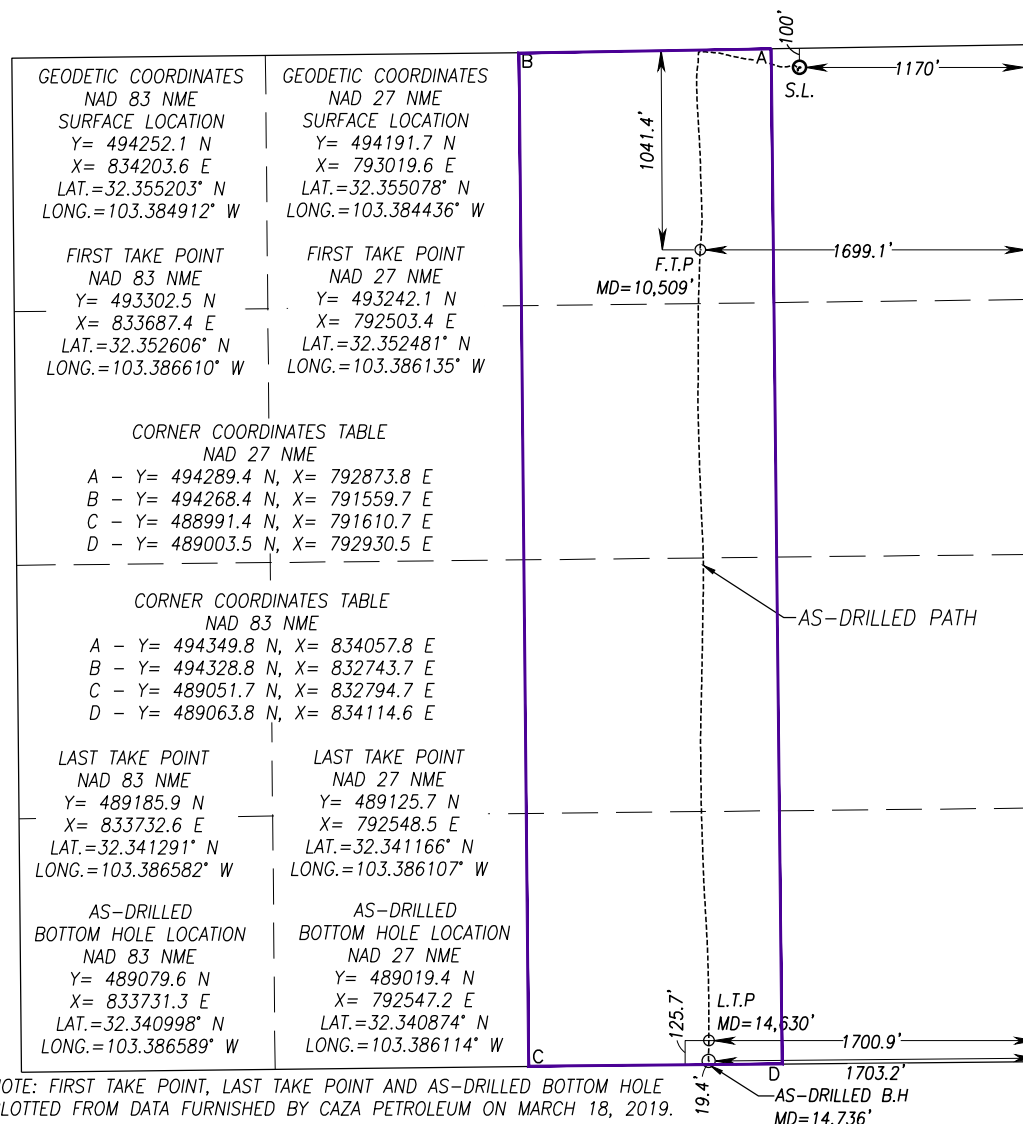
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	22-S	35-E		100	NORTH	1170	EAST	LEA

As-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	22-S	35-E		19.4	SOUTH	1703.2	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date 05/02/2019

Steve Morris

Printed Name _____


steve.morris@morcoreengineering.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

SEPTEMBER 24, 2018

Date of Survey _____
Signature & Seal of Professional Surveyor: _____



 Certificate Number 3239 Gary G. Eidson 12641
 Ronald J. Eidson 3239
 ACK REL. W.O.:18111066 JWSC W.O.: 19.13.0478

NOTE: FIRST TAKE POINT, LAST TAKE POINT AND AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY CAZA PETROLEUM ON MARCH 18, 2019.

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DEFINITIONS

Action 353710

DEFINITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353710
	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: <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 353710

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353710
	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	[30-025-45307] LENNOX 32 STATE #009H
Incident Facility	Unavailable.

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	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, 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	Other (Specify)
Additional details for Equipment Involved. Please specify	VRU down. Perform repair/maintenance.

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	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) percentage, if greater than one percent	9
Oxygen (O2) 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 (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 353710

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353710
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/08/2024
Time vent or flare was discovered or commenced	02:30 PM
Time vent or flare was terminated	08:30 PM
Cumulative hours during this event	6

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: 89 Mcf Recovered: 0 Mcf Lost: 89 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	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	VRU down. Perform repair/maintenance.
Steps taken to limit the duration and magnitude of vent or flare	Flare minimal mcf
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	VRU down. Perform repair/maintenance.

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ACKNOWLEDGMENTS

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	Action Number: 353710
	Action Type: [C-129] Venting and/or Flaring (C-129)

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

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	Action Number: 353710
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tberry	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.	6/13/2024