



Certificate of Analysis

Number: 6030-22050003-002A

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: Comanche CTB 1H Test

Station Number: 55680039

Station Location: Caza

Sample Point: Meter Run

Instrument: 6030_GC6 (Inficon GC-3000 Micro)

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

Analyzed: 05/03/2022 11:36:50 by ERG

Sampled By: CM

Sample Of: Gas Spot

Sample Date: 04/29/2022 02:05

Sample Conditions: 152.1 psig, @ 120.7 °F Ambient: 96 °F

Effective Date: 04/29/2022 02:05

Method: GPA-2261M

Cylinder No: 5030-01267

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.05000	0.081		GPM TOTAL C2+ 4.366
Nitrogen	1.163	1.18185	1.583		GPM TOTAL C3+ 2.465
Methane	80.681	82.00952	62.903		GPM TOTAL iC5+ 0.747
Carbon Dioxide	1.870	1.90110	4.000		
Ethane	6.988	7.10278	10.211	1.901	
Propane	3.520	3.57828	7.544	0.987	
Iso-butane	0.725	0.73735	2.049	0.242	
n-Butane	1.523	1.54849	4.303	0.489	
Iso-pentane	0.579	0.58803	2.028	0.215	
n-Pentane	0.495	0.50315	1.736	0.183	
Hexanes Plus	0.787	0.79945	3.562	0.349	
	98.331	100.00000	100.000	4.366	

Calculated Physical Properties

Relative Density Real Gas

Total

0.7244

C6+

3.2176

Calculated Molecular Weight

20.92

93.19

Compressibility Factor

0.9966

GPA 2172 Calculation:

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

Real Gas Dry BTU

1208

5129

Water Sat. Gas Base BTU

1187

5040

Ideal, Gross HV - Dry at 14.696 psia

1203.5

5129.2

Ideal, Gross HV - Wet

1182.5

5039.7

Comments: H2S Field Content 500 ppm
Mcf/day 1573.7

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 Comanche CTB

input

calculated

Date	5/3/2022
Reported Flared metered Volume (mcf)	4200
Last 7 Day Avg metered Gas Production (mcf)	3371
% of gas flared vs Produced (% mcf) & (% hrs)	124.6%
Avg Gas production per hour for 24 hrs (mcf)	140.46
number of hours flare was active (hours)	29.90

source

pumpers text

pumpers text

prodman ctb report

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

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☐ AMENDED REPORT

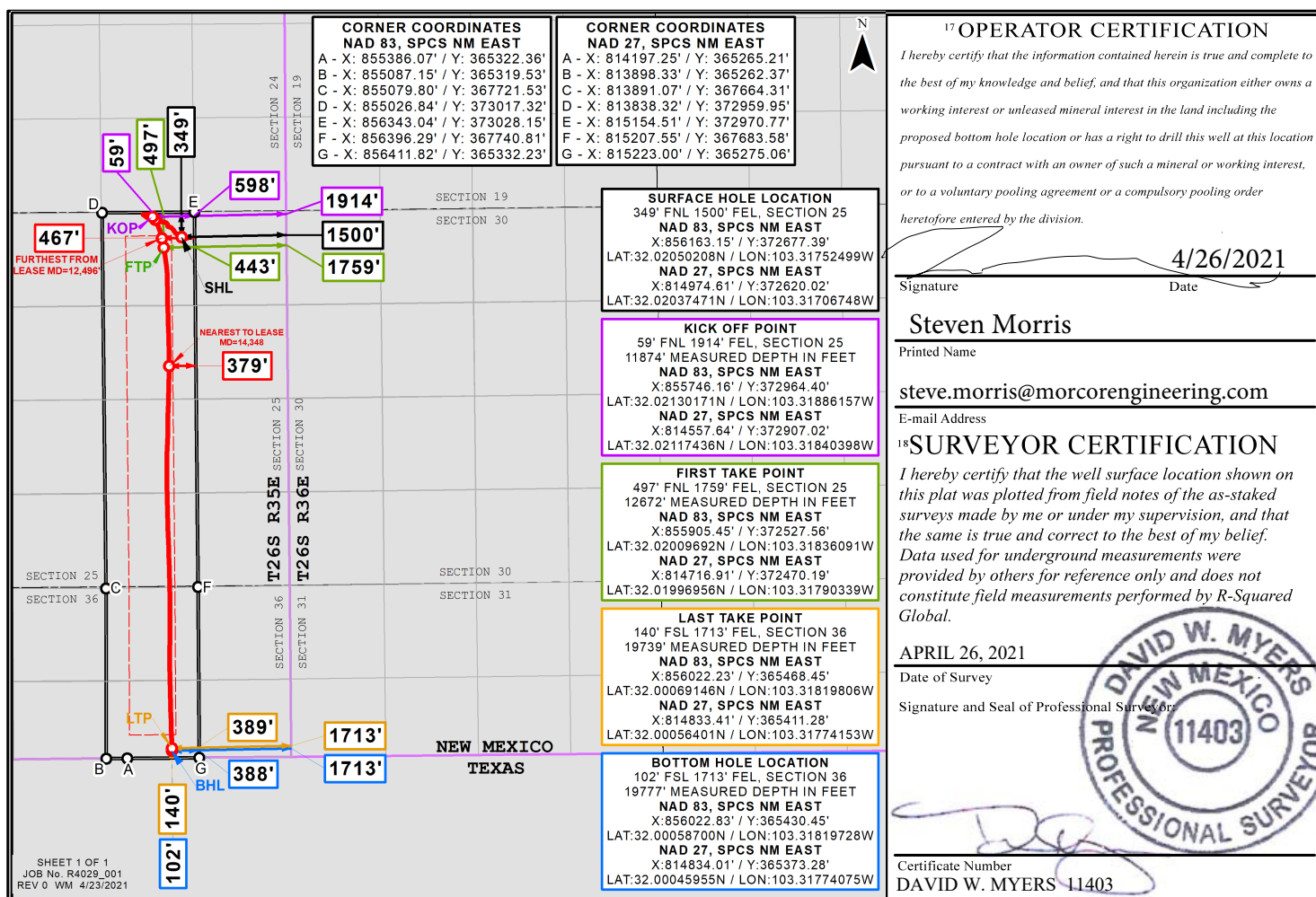
WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-47449	² Pool Code 98234	³ Pool Name WC-025 G-09 S263619C; WOLFCAMP
⁴ Property Code 328896	Property Name COMANCHE 25-36 FED STATE COM	⁶ Well Number 1H
⁷ OGRID No. 249099	⁸ Operator Name CAZA OPERATING LLC	⁹ Elevation 2946'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	26S	35E		349	NORTH	1500	EAST	LEA
¹¹ 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
L 2	36	26S	35E		102	SOUTH	1713	EAST	LEA
¹² Dedicated Acres 233.27	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



Distances/areas relative to NAD 83 Combined Scale Factor: 0.99988291 Convergence Angle: 00°32'08.45268"

☐ Horizontal Spacing Unit

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

DEFINITIONS

Action 115483

DEFINITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 115483
	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 115483

QUESTIONS

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	Action Number: 115483
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	[30-025-47449] COMANCHE 25 36 FEDERAL STATE COM #001H
Incident Facility	Not answered.

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	Yes
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.
<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	Other (Specify)
Additional details for Equipment Involved. Please specify	VRU failure

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	82
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	2
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 115483

QUESTIONS (continued)

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

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/13/2022
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	22

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: 128 Mcf Recovered: 0 Mcf Lost: 128 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	Unable to have VRU failure repaired in a timely manner.
Steps taken to limit the duration and magnitude of vent or flare	Flared minimal mcf throughout the duration of flare
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	VRU was repaired and cleaned to avoid reoccurrence.

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ACKNOWLEDGMENTS

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	Action Number: 115483
	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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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.	6/9/2022