

Certificate of Analysis

Number: 6030-22040461-009A

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

Station Name: Mud River 13 6-3 Sales Station Number: 10955 Station Location: Caza Operating Sample Point:

Sample Date: Meter run

Sampled By:

Sample Of:

70142339 (Inficon GC-MicroFusion) Instrument: Last Inst. Cal.: 05/02/2022 0:00 AM

Analyzed: 05/03/2022 07:37:55 by ERG

04/27/2022 12:30 Sample Conditions: 58.3 psig, @ 90.4 °F Ambient: 67 °F

John Whitt

Gas

May 03, 2022

Spot

04/27/2022 12:30 Effective Date: GPA-2261M Method: Cylinder No: 1111-007258

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	5.732
Nitrogen	0.945	0.96903	1.282		GPM TOTAL C3+	2.763
Methane	76.953	78.87641	59.775		GPM TOTAL iC5+	0.616
Carbon Dioxide	0.101	0.10352	0.215			
Ethane	10.818	11.08855	15.751	2.969		
Propane	4.923	5.04618	10.511	1.392		
Iso-butane	0.724	0.74179	2.037	0.243		
n-Butane	1.583	1.62206	4.454	0.512		
Iso-pentane	0.400	0.40959	1.396	0.150		
n-Pentane	0.444	0.45489	1.550	0.165		
Hexanes Plus	0.671	0.68798	3.029	0.301		
	97.562	100.00000	100.000	5.732		
Calculated Physical	Properties	Total		C6+		
Relative Density Rea	l Gas	0.7333		3.2176		
Calculated Molecular	· Weight	21.17		93.19		
Compressibility Factor	or	0.9963				
GPA 2172 Calculation	on:					
Calculated Gross B	TU per ft³ @ 14.696 բ	osia & 60°F				
Real Gas Dry BTU		1271		5129		
Water Sat. Gas Base	BTU	1250		5040		
Ideal, Gross HV - Dry at 14.696 psia		1266.8		5129.2		
Ideal, Gross HV - We	et .	1244.7		5039.7		
Comments: H2S Fi	eld Content 0 ppm					

Hydrocarbon Laboratory Manager

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

Quality Assurance:



Certificate of Analysis

Number: 6030-22040461-003A

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

May 03, 2022

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

Station Name: Mud River 13-3
Sampled By: John Whitt
Station Number: 55650024
Station Location: Caza Operating
Sample Date: 04/27/2022 12:10

Sample Point: Meter run Sample Conditions: 91 psig, @ 86.4 °F Ambient: 67 °F

 Instrument:
 70142339 (Inficon GC-MicroFusion)
 Effective Date:
 04/27/2022 12:10

 Last Inst. Cal.:
 05/02/2022 0:00 AM
 Method:
 GPA-2261M

 Analyzed:
 05/03/2022 08:14:40 by ERG
 Cylinder No:
 1111-005955

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Hydrogen Sulfide	0.000	0.00000	0.000		GPM TOTAL C2+	6.185
Nitrogen	1.154	1.17997	1.535		GPM TOTAL C3+	3.004
Methane	75.316	77.02480	57.388		GPM TOTAL iC5+	0.588
Carbon Dioxide	0.057	0.05819	0.119			
Ethane	11.616	11.87991	16.590	3.181		
Propane	5.718	5.84730	11.975	1.613		
Iso-butane	0.714	0.73009	1.971	0.239		
n-Butane	1.746	1.78591	4.821	0.564		
Iso-pentane	0.397	0.40549	1.359	0.148		
n-Pentane	0.469	0.47984	1.608	0.174		
Hexanes Plus	0.595	0.60850	2.634	0.266		
	97.782	100.00000	100.000	6.185		
Calculated Physica	I Properties	Tota	I	C6+		
Relative Density Rea	al Gas	0.7460)	3.2176		
Calculated Molecula	r Weight	21.53	3	93.19		
Compressibility Fact	or	0.9962	<u> </u>			
GPA 2172 Calculati	ion:					
Calculated Gross B	BTU per ft ³ @ 14.696	psia & 60°F				
Real Gas Dry BTU		1289	9	5129		
Water Sat. Gas Base BTU		1267	7	5040		
Ideal, Gross HV - Dr	1284.0)	5129.2			
Ideal, Gross HV - We	1261.6	3	5039.7			

Hydrocarbon Laboratory Manager

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

Quality Assurance:

Comments: H2S Field Content 0 ppm

Caza Flared Gas Calculation Mad River 13 3H/6H

input	
calculated	

Date	6/6/2022
Reported Flared metered Volume (mcf)	300
Last 7 Day Avg metered Gas Production (mcf)	825.14
% of gas flared vs Produced (% mcf) & (% hrs)	36.4%
Avg Gas prodcution per hour for 24 hrs (mcf)	34.38
number of hours flare was active (hours)	8.73

source

pumpers text pumpers text prodman ctb report <u>DISTRICT I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II

DISTRICT II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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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

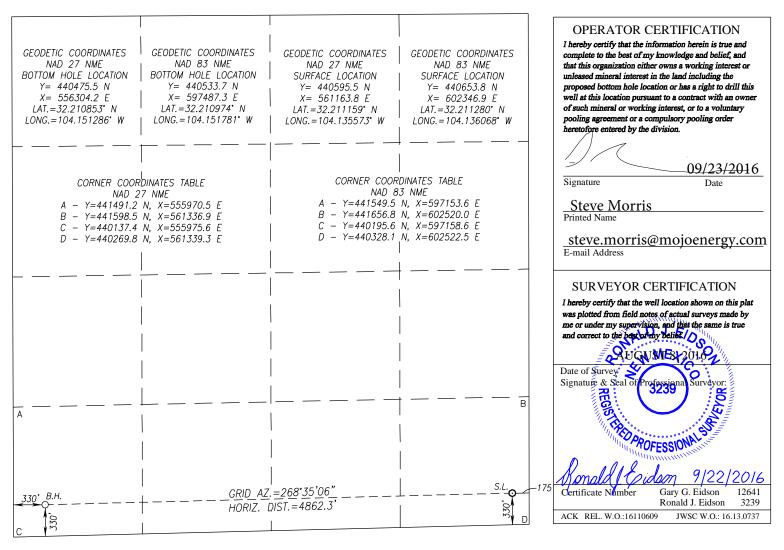
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name			
30-015-43898	98189	WC-015 G-06 S242713N; Upper Wolfcamp			
Property Code	Prop	Property Name			
	MAD RIV	MAD RIVER 13 STATE			
OGRID No.	Oper	Operator Name Elev			
249099	CAZA OPE	RATING, LLC	3102'		

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	24-S	27-E		330	SOUTH	175	EAST	EDDY
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
M	13	24-S	27-E		330	SOUTH	330	WEST	EDDY
Dedicated Acres Joint or Infill Consolidation Code			ode Ord	er 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



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Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

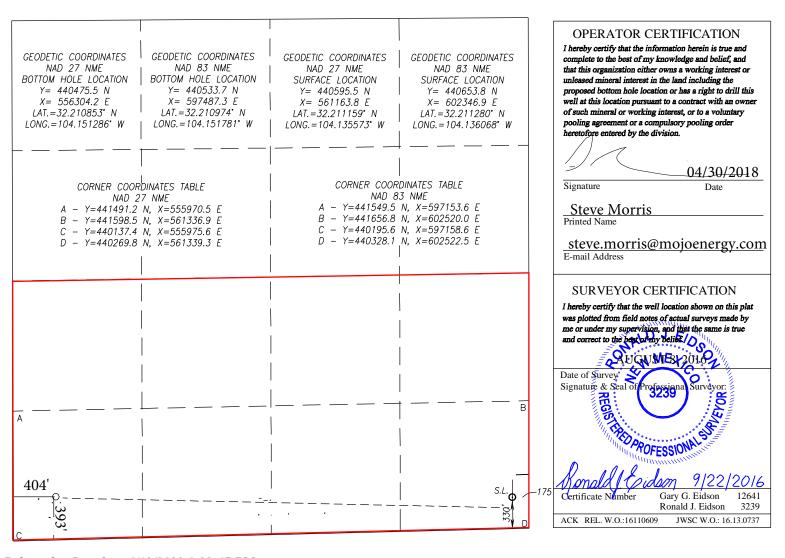
API Number	Pool Code	Pool Name	
30-015-43898	98220	98220 Purple Sage; Wolfcamp	
Property Code	Prop	Property Name	
39924	MAD RIV	MAD RIVER 13 STATE	
OGRID No.	Ope	Operator Name	
249099	CAZA OPE	RATING, LLC	3102'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	13	24-S	27-E		330	SOUTH	175	EAST	EDDY
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

CE of lot 140.	beenon	1 OWIISI	пp	Range	Lot Idii	1 cet from the	1 TOTH/ Bouth line	1 cet from the	Last West line	County
M	13	24-5	S	27-Е		3932	SOUTH	404	WEST	EDDY
Dedicated Acres	Joint or	Infill	C	onsolidation Co	ode Or	der No.				
320						R-14262				

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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 116376

DEFINITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	116376
	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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1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 116376

Prione:(505) 476-3470 Fax:(505) 476-3462	UESTIONS			
	UESTIONS			
Operator: CAZA OPERATING, LLC	OGRID: 249099			
200 N Loraine St	Action Number:			
Midland, TX 79701	116376 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	[30-015-43898] MAD RIVER 13 STATE COM #003H			
Incident Facility	Not answered.			
Determination of Reporting Requirements				
Answer all questions that apply. The Reason(s) statements are calculated based on your answers a	nd may provide addional 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, 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 v	renting 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	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.	T			
Methane (CH4) percentage	77			
Nitrogen (N2) percentage, if greater than one percent	1			
Hydrogen Sulfide (H2S) PPM, rounded up	0			
Carbon Dioxide (C02) percentage, if greater than one percent	0			
Oxygen (02) percentage, if greater than one percent	0			
If you are venting and/or flaring because of Pipeline Specification, please provide the required spec	ifications 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.			

Action 116376

QUESTIONS, Page 2

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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**

QUESTIONS (continued)

CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	116376 Action Type:
	[C-129] Venting and/or Flaring (C-129)
QUESTIONS	
Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/06/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	09:00 AM
Cumulative hours during this event	9
Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Other Gas Plant Natural Gas Flared Released: 300 Mcf Recovered: 0 Mcf Lost: 300 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	
	T.,
Was this vent or flare a result of downstream activity	Yes
Was notification of downstream activity received by this operator Downstream OGRID that should have notified this operator	No
Date notified of downstream activity requiring this vent or flare	[147831] Lucid Artesia Company Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered. Not answered.
This follows is administrating the following	Not answered.
Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event	True
and it was beyond this operator's control.	Title
Please explain reason for why this event was beyond this operator's control	Downstream operator was shut-in due to high gas sales line pressure. This was outside the control of the operator.
Steps taken to limit the duration and magnitude of vent or flare	Minimal mcf flared.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Downstream operator was shut-in due to high gas sales line pressure. This was outside the control of the operator.

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ACKNOWLEDGMENTS

Action 116376

ACKNOWLEDGMENTS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	116376
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

V	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.
V	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.
V	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.
V	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.
V	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

Action 116376

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	116376
	Action Type:
	[C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created	Condition	Condition
Ву		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.	6/13/2022