



Certificate of Analysis

Number: 6030-22050003-007A

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: Sioux 25-36 Fed Com 8H

Station Number: 55680030

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 11:59:27 by ERG

Sampled By: CM

Sample Of: Gas Spot

Sample Date: 04/29/2022 12:20

Sample Conditions: 119.6 psig, @ 110.7 °F Ambient: 96 °F

Effective Date: 04/29/2022 12:20

Method: GPA-2261M

Cylinder No: 1111-005544

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	0.30000	0.446		GPM TOTAL C2+ 7.030
Nitrogen	1.731	1.73825	2.124		GPM TOTAL C3+ 3.814
Methane	72.366	72.66866	50.861		GPM TOTAL iC5+ 0.795
Carbon Dioxide	0.845	0.84884	1.630		
Ethane	11.955	12.00487	15.749	3.216	
Propane	7.044	7.07380	13.609	1.952	
Iso-butane	0.911	0.91461	2.319	0.300	
n-Butane	2.420	2.43034	6.163	0.767	
Iso-pentane	0.599	0.60171	1.894	0.220	
n-Pentane	0.612	0.61436	1.934	0.223	
Hexanes Plus	0.801	0.80456	3.271	0.352	
	99.284	100.00000	100.000	7.030	

Calculated Physical Properties

Relative Density Real Gas

Total

0.7945

C6+

3.2176

Calculated Molecular Weight

22.92

93.19

Compressibility Factor

0.9957

GPA 2172 Calculation:

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

Real Gas Dry BTU

1331

5129

Water Sat. Gas Base BTU

1308

5040

Ideal, Gross HV - Dry at 14.696 psia

1325.3

5129.2

Ideal, Gross HV - Wet

1302.1

5039.7

Comments: H2S Field Content 0.3 %
Mcf/day 141.3

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
Sioux 25-36 CTB

input
calculated

Date	2/16/2024
Reported Flared metered Volume (mcf)	112
Last 7 Day Avg metered Gas Production (mcf)	10043.72
% of gas flared vs Produced (% mcf) & (% hrs)	1.1%
Avg Gas prodcuton per hour for 24 hrs (mcf)	418.49
number of hours flare was active (hours)	0.27

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 30-025-46533	² Pool Code 98228	³ Pool Name WC-025 G-09 S253536D; UPR WOLFCAMP
⁴ Property Code 317657	Property Name SIOUX 25-36 STATE FED COM	⁶ Well Number 8H
⁷ OGRID No. 249099	⁸ Operator Name CAZA OPERATING LLC	⁹ Elevation 3085'

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	25S	35E		163	NORTH	1449	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
O	36	25S	35E		119	SOUTH	2241	EAST	LEA
¹² Dedicated Acres 320.0	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.

<p>Infill Well</p> <p>FTP 674' 163'</p> <p>SHL 1449' 2194'</p> <p>LTP 401' 402'</p> <p>BHL 155' 119'</p> <p>Nearest to the Lease Line MD=17,268'</p> <p>Furthest from the Lease Line MD=12,355'</p> <p>SECTION 23 SECTION 24 SECTION 25 SECTION 26 SECTION 30 SECTION 31 SECTION 35 SECTION 36 SECTION 3E SECTION 36E SECTION 2 SECTION 1</p> <p>T25S R35E T26S R35E T25S R36E T26S R36E</p> <p>SHEET 1 OF 1 JOB No. R4012_003 REV 0 JCS 5/21/2020</p>	<p>CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 856126.92' / Y: 394166.83' B - X: 854805.65' / Y: 394155.13' C - X: 854762.22' / Y: 399439.66' D - X: 854708.75' / Y: 404723.98' E - X: 856028.64' / Y: 404744.97' F - X: 856080.33' / Y: 399452.08'</p> <p>CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 814939.22' / Y: 394108.87' B - X: 813617.96' / Y: 394097.18' C - X: 813574.74' / Y: 399381.57' D - X: 813521.47' / Y: 404665.74' E - X: 814841.35' / Y: 404686.72' F - X: 814892.83' / Y: 399393.97'</p> <p>SURFACE HOLE LOCATION 163' FNL 1449' FEL, SECTION 25 0' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 855901.65' / Y: 404579.81' LAT: 32.10819402N / LON: 103.31739972W NAD 27, SPCS NM EAST X: 814714.35' / Y: 404521.57' LAT: 32.10806706N / LON: 103.31693779W</p> <p>KICK OFF POINT/FIRST TAKE POINT 674' FNL 2194' FEL, SECTION 25 12,355' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 855160.65' / Y: 404056.81' LAT: 32.10677571N / LON: 103.31980845W NAD 27, SPCS NM EAST X: 813973.34' / Y: 403998.59' LAT: 32.10664878N / LON: 103.31934651W</p> <p>LAST TAKE POINT 155' FSL 2241' FEL, SECTION 36 22,114' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 855205.47' / Y: 394313.81' LAT: 32.07999561N / LON: 103.31995940W NAD 27, SPCS NM EAST X: 814017.78' / Y: 394255.86' LAT: 32.07986855N / LON: 103.31949880W</p> <p>BOTTOM HOLE LOCATION 119' FSL 2241' FEL, SECTION 36 22,150' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 855206.65' / Y: 394277.81' LAT: 32.07989663N / LON: 103.31995668W NAD 27, SPCS NM EAST X: 814018.96' / Y: 394219.86' LAT: 32.07976957N / LON: 103.31949609W</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature <u>Steve Morris</u> Date <u>5/25/2020</u></p> <p>Printed Name <u>Steve Morris</u></p> <p>E-mail Address <u>steve.morris@morcoreengineering.com</u></p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R-Squared Global.</p> <p>MAY 22, 2020</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor </p> <p>Certificate Number <u>DAVID W. MYERS 11403</u></p>
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Distances/areas relative to NAD 83 Combined Scale Factor: 0.99987673 Convergence Angle: 00°32'19.77000"

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DEFINITIONS

Action 353732

DEFINITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353732
	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 353732

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353732
	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	[30-025-46533] SIOUX 25 36 STATE FEDERAL COM #008H
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	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
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 353732

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353732
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/16/2024
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	08:45 AM
Cumulative hours during this event	0

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: 112 Mcf Recovered: 0 Mcf Lost: 112 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. Performed 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

Action 353732

ACKNOWLEDGMENTS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 353732
	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

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	Action Number: 353732
	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